Performance Data Sheet

AVD5558EXN

General Information

Model	AVD5558EXN	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PTCS_CR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	16700	14200					
	Watts	2220	2370					
	Amps	9.99	10.7					
	Lb/h	215	190					
-10	Btu/h	20600	17700	15800				
	Watts	2400	2550	2680				
	Amps	10.8	11.5	12.1				
	Lb/h	264	236	221				
-5	Btu/h	24900	21500	19200	17700			
	Watts	2580	2730	2870	2990			
	Amps	11.6	12.3	12.9	13.5			
	Lb/h	317	284	266	255			
0	Btu/h	29400	25600	22900	21000	19400		
	Watts	2740	2900	3050	3180	3290		
	Amps	12.3	13.1	13.8	14.3	14.8		
	Lb/h	373	336	314	301	290		
5	Btu/h	34300	30000	26900	24600	22700		
	Watts	2880	3070	3230	3380	3500		
	Amps	12.9	13.8	14.6	15.2	15.8		
	Lb/h	432	391	366	350	337		
10	Btu/h	39500	34800	31200	28600	26300	24000	21400
	Watts	3020	3220	3410	3570	3720	3840	3960
	Amps	13.5	14.5	15.3	16.1	16.7	17.2	17.7
	Lb/h	494	450	422	403	387	371	347
15	Btu/h	45200	39900	35900	32900	30200	27700	24700
	Watts	3130	3360	3570	3760	3930	4070	4210
	Amps	13.9	15.1	16.1	16.9	17.6	18.3	18.8
	Lb/h	561	513	481	460	442	424	398
20	Btu/h	51200	45400	41000	37500	34500	31600	28400
	Watts	3220	3480	3720	3940	4130	4300	4460
	Amps	14.3	15.6	16.7	17.7	18.5	19.3	20.0
	Lb/h	632	581	545	521	501	481	455

25	Btu/h	57700	51400	46500	42600	39200	36000	32500
	Watts	3290	3590	3860	4110	4330	4530	4720
	Amps	14.6	16.0	17.3	18.4	19.4	20.3	21.1
	Lb/h	707	652	614	587	565	543	516
30	Btu/h	64600	57800	52400	48100	44300	40700	36900
	Watts	3320	3670	3980	4260	4520	4760	4980
	Amps	14.8	16.4	17.8	19.1	20.2	21.3	22.2
	Lb/h	787	729	688	658	634	611	582
35	Btu/h	72000	64600	58800	54000	49800	45900	41700
	Watts	3330	3720	4070	4400	4700	4980	5230
	Amps	14.9	16.6	18.2	19.7	21.0	22.2	23.4
	Lb/h	872	810	766	734	708	683	653
40	Btu/h	79800	72000	65600	60300	55800	51500	47000
	Watts	3310	3740	4150	4520	4870	5190	5480
	Amps	14.8	16.8	18.6	20.2	21.7	23.1	24.5
	Lb/h	962	897	850	815	788	761	730
45	Btu/h	88200	79800	72900	67200	62200	57500	52700
	Watts	3250	3740	4190	4620	5010	5380	5720
	Amps	14.6	16.8	18.8	20.7	22.4	24.0	25.5
	Lb/h	1060	989	939	902	873	845	813
50	Btu/h	97200	88200	80800	74500	69100	64000	58900
	Watts	3160	3700	4210	4690	5140	5560	5950
	Amps	14.2	16.7	18.9	21.0	23.0	24.8	26.5
	Lb/h	1160	1090	1030	995	964	935	902
55	Btu/h		97100	89100	82400	76500	71000	65500
	Watts	3020	3630	4200	4740	5240	5720	6170
	Amps	13.7	16.4	18.9	21.3	23.4	25.5	27.5
	Lb/h	1270	1190	1140	1090	1060	1030	997

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.526532E+05	4.576072E+02	-1.243153E+00	1.856730E+03
C2	1.995464E+03	-4.222319E+00	-1.098228E-02	2.113101E+01
C3	-3.073428E+03	4.127636E+01	2.648738E-01	-3.857617E+01
C4	8.698000E+00	-9.915249E-01	-3.995223E-03	5.781882E-02
C5	-1.671085E+01	5.582794E-01	2.092892E-03	-1.590747E-01
C6	2.476271E+01	-1.855502E-01	-1.417542E-03	3.255056E-01
C7	2.954125E-02	-3.636847E-03	-1.186539E-05	3.358810E-04
C8	-2.388145E-02	9.015736E-03	3.368385E-05	1.320263E-04
C9	4.433254E-02	-1.478983E-03	-3.454696E-06	4.794385E-04
C10	-7.003560E-02	3.217814E-04	2.707499E-06	-9.401234E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature